

CHD601S EM Card Reader User Manual

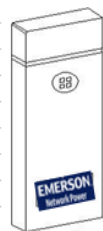
1 Overview

CHD601S EM card reader is a new type sealing out fine encapsulating compound Wiegand output format, long distance of the high-performance induction reader. Mainly used for Wiegand interface controller for a auxiliary reading card equipment, It has a small beautiful shape wiring in installation convenient with lightning protection function stable performance, etc

1.1 Product Introduction

1.1.1 Appearance and interface

The appearance of the reader as below



LED indicator light

Size (h×w×d): 44mm×112mm×18mm

weight: about 70g

1.1.2 Wigan output interface

Through the wigan output interface and external controller connected transfer card number. 12V power cord to equipment power supply.



The definition see the table below

Table 1 (4 needle socket signal definition)

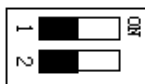
pin	Pin1	Pin2	Pin3	Pin4
define	WiganWD1	WiganWD0	GND	12V

Table 2 (RJ45 mother mouth socket signal definition)

1 (white orange)	2 (orange)	3 (white green)	4 (blue)	5 (white blue)	6 (green)	7 (white brown)	8 (brown)
WD0	WD1		GND	+12V			

1.1.3 Digital Switches

1.1.4 Dial the code switch used to set wigan output format.



Set see below table

Dialup 2	Dialup 1	Output format
OFF	OFF	26 Wigan output format
OFF	ON	44 Wigan output format
ON	OFF	With " in" function 44 wigan output format
ON	ON	With " out" function 44 wigan output format

Note

Definition of reading card into/out of function only suitable for and connect with CHD805DM2 two-door controller connect occasion.

1.1.4 LED indicator light

Standby blue light, swipping card red light .

1.1.5 Buzzer

Buzzer rang a sound card

1.2 Technique Data

Working power : 9Vdc ~ 12Vdc ; working current : 55mA

Read distance : 100 ~ 150mm (relative to card quality)

Transmission range : less 30m ;

Working frequency : 125KHZ

Support card type : All kinds of EM induction card (eg : IC card , Thin card and thickness card, etc)

2 Install

2.1 Environmental requirement

- 1 . No conductive metal corrosion and damage to dust the insulation of gas.
- 2 . Avoid to use in water fog i place.
- 3 . working condition : -10 ~ 50°C、20 ~ 90% (non condensing.icing)
Storage Environment : -20 ~ 60°C、20 ~ 90% (non condensing.icing)

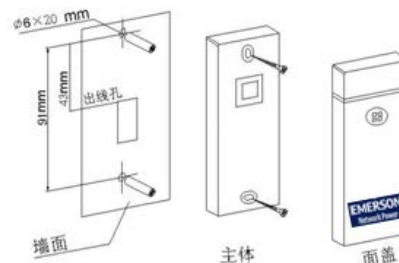
2.2 Open Box Checking

Open card reader packing , Visual appearance card reader , If has the damage phenomenon please immediately notify the carrier

Control shipping list, check card reader and accessories are complete, correct

2.3 Mechanical Installation

Install accessory and its installation as below.



Step one : According to the uniform elevation (general is 1.3 meters), choose CHD601S installation position ;

Step two : open a hole on installation plane(see install diagram). To play two 6 mm fixed hole, into the fixed stopper..

Step three : Use one word screw pick the covers. (See the inside bottom of products) , fixed the Main body on the wall.

Step four : connect well all CHD601S connect wires, It' s better After welding, shrinkable Heat shrinkable tube frame profile ' s install slot.

Step five : Insert the plug into the CHD601S ' sback socket ,Put tight force , Check again wiring is correct ;

Step six : Electricity test again, if normal then put the covers with the main body of the fasten ,then finish install.

2.4 Connection

- 1 . Put the 4 line socket which packing provide one head inserted into the wigan output interface, the other end use RJ45 mother interface. Please refer to the controller connection user manual of controller connecting position .
- 2 . According to the below tale connection , and relevant interface definition please see 1.1.2 wigan output interface.

3 Preserve

- 1 . Please don't apart reader itself, avoid to damage internal components

Part Name	poisonous and harmful substance or element					
	lead	merc ury	cadmi um	hexavale nt chromiu m	polybromin ated biphenyls	PoltBrominate d Diphenyl Ethers
	Pb	Hg	Cd	Cr ⁶⁺	PBB	PBDE
manufactur ed board	x	o	o	o	o	o
o : means the poisonous and harmful material in the part of all homogeneous material content in theSJ/T-11363 - 2006the following requirements prescribed limits ;x :means the poisonous and harmful material in the parts of at least a homogeneous material of content exceed SJ/T11363 - 2006requirements prescribed limits						
Emerson Network Power Co. , Ltd has been committed to the design and manufacture of environmental protection product , We will through the continuous research to reduce and eliminate the poisonous and harmful material in products. The following components or application contains poisonous and harmful material is limited to the current technology level can't achieve reliable alternative or not mature solution : manufactured board contain lead						
About the environmental protection use period introduction :This product environmental protection use period (Already identified in product ontology) , It is to point to in the normal conditions of use and abide by the product safety precautions , from within the product contains the poisonous and harmful substances or elements of environment won't caused serious influence deadline personal and property .						
applicable range : CHD601S EM card reader						

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